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NOTICE OF ALLOWANCE AND FEE(S) DUE

22428 7590 04/03/2009 FOLEY AND LARDNER LLP

FOLEY AND LARDNER LLP SUITE 500 3000 K STREET NW WASHINGTON DC 20007

EXAMINER					
MCCLENDON, SANZA L					
ART UNIT PAPER NUMBER					
1796 DATE MAILED: 04/03/2009					

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/574,216	03/31/2006	Tomohito Ota	040302-0559	7918		
TITLE OF INVENTION: SEAL RING AND SEAL DEVICE						

APPLN, TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and I/2 the ISSUE FIEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or Fax (571)-273-2885

INSTRUCTIONS: This appropriate. All further c indicated unless correcte maintenance fee notificat	form should be used for correspondence includir d below or directed oth ions.	or transm ig the Pat ierwise in	itting the ISSU ent, advance or Block 1, by (a							
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				F F	Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.					
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WASHINGTON	, DC 20007									(Depositor's name)
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nonprovisional	NO		\$1510	\$300		\$0		\$1810		07/06/2009
EXAMI	NER	AF	T UNIT	CLASS-SUBCLASS	\neg					
MCCLENDO?	N, SANZA L		1796	522-156000	_					
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). Change of correspondence address (or Change of Correspondence Address form PTOSB/122) attached. The Address Form PTOSB/122 attached. The Address' indication (or "Fee Address' Indication form PTOSB/147; Key 0.342 or more recent) attached. Use of a Customer Number is required. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON			rrespondence on form i a Customer	or agents OR, altern (2) the name of a sir registered attorney of 2 registered patent a listed, no name will	the names of up to 3 registered patent attorneys agents OR, alternatively, the name of a single firm thaving as a member a glestered attorney or agent) and the names of up to gestered attorney or agent and the names of up to gestered patent attorneys or agents. If no name is agent of the printed, and the printed of th					
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	SMALL ENTITY state	s. See 37		☐ b. Applicant is no I						
NOTE: The Issue Fee and interest as shown by the re	l Publication Fee (if req ecords of the United Sta	iired) will tes Patent	not be accepted and Trademark	d from anyone other that Office.	ın th	e applicant; a regi	stered a	attorney or agent; or th	e assigne	e or other party in
Authorized Signature						Date				
Typed or printed name Registration No.										
This collection of informs an application. Confidenti submitting the completed this form and/or suggestic Box 1450, Alexandria, Vi Alexandria, Virginia 2231	ation is required by 37 C iality is governed by 35 application form to the ons for reducing this but reginia 22313-1450. DC (3-1450.	FR 1.311. U.S.C. 12 USPTO. den, shou NOT SE	The informatic 22 and 37 CFR Time will vary ld be sent to th ND FEES OR	on is required to obtain on 1.14. This collection is depending upon the interpretation of the COMPLETED FORMS	or re esti divi ficer TO	tain a benefit by the mated to take 12 r dual case. Any co r, U.S. Patent and THIS ADDRESS	ne publ ninutes mment Traden	ic which is to file (and to complete, includin s on the amount of tir ark Office, U.S. Dep D TO: Commissioner	by the U g gathering ne you re rtment of or Patent	SPTO to process ig, preparing, and quire to complete f Commerce, P.O. s, P.O. Box 1450.

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FOLEY AND LA	ARDNER LLP		MCCLENDO	N, SANZA L	
SUITE 500			ART UNIT	PAPER NUMBER	
3000 K STREET N WASHINGTON, I			1796 DATE MAILED: 04/03/200	9	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 529 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 529 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

Notice of Allowability

Application No.	Applicant(s)				
10/574,216	OTA ET AL.				
Examiner	Art Unit				
Sanza I. McClendon	1796				

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--All claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- This communication is responsive to 02/10/2009.
- 2. The allowed claim(s) is/are 1-11.
- 3. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - b) ☐ Some* c) ☐ None of the:
 - 1. A Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. __
 - 3.
 ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
- CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) Including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Amendment / Comment or in the Office action of

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6.

DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- 1. | Notice of References Cited (PTO-892)
- Notice of Draftperson's Patent Drawing Review (PTO-946).
- Information Disclosure Statements (PTO/SB/08). Pacer No./Mail Date
- 4. T Examiner's Comment Regarding Requirement for Deposit
- of Biological Material
- 5. Notice of Informal Patent Application
- 6 Interview Summery (PTO-413) Paper No./Mail Date
- T Examiner's Amendment/Comment
- Examiner's Statement of Reasons for Allowance
- 9.

 ☐ Other

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DETAILED ACTION

Response to Amendment

 In response to the Amendment received on February 10, 2008, the examiner has carefully considered the amendments.

Terminal Disclaimer

The terminal disclaimer filed on February 10, 2008 disclaiming the terminal
portion of any patent granted on this application which would extend beyond the
expiration date of commonly owned US Patent No. 6,884,827 has been reviewed and is
accepted. The terminal disclaimer has been recorded.

3.

Response to Arguments

- 4. Applicant's arguments, see Remarks/Amendment, filed 02/10/2009, with respect to claims 1-11 have been fully considered and are persuasive. The rejection of claims 1-11 under 35 USC 1032(a) as being unpatentable over JP2004-331814 to Yamamoto et al in view of Matsumoto et al (JP06-051679) as evidenced by Salvoy Advanced Polymer, LLC product data sheet has been withdrawn. Applicant has filed a certified translation of the foreign priority document, perfecting the effective date of October 2, 2003. And as such JP2004-331814 to Yamamoto et al is not available as prior art against the instant claims.
- 5. Additionally, the rejection of claims 1-11 under 35 USC 1032(a) as being unpatentable over Ota et al (US 2004/0082701) in view of Fukunaga et al (5,428,096) and Matsumoto et al (JP06-051679) has been withdrawn. In view of applicant's perfected dated Ota et al is not available as prior art against the instant claims. Therefore the instant invention is allowable over the cited art.

Allowable Subject Matter

6 Claims 1-11 are allowed.

Application/Control Number: 10/574,216

Art Unit: 1796

7. The following is an examiner's statement of reasons for allowance: The prior teaches irradiation of fluororesins with actinic radiation, such as gamma, electron beam, UV and the like; as well as, teaching mixtures of irradiated fluororesins with non-irradiate fluororesins. However, the prior art fails to teach, alone or in combination, seal rings obtained from mixtures of non-irradiated fluororesins and irradiated fluororesins with synthetic resins having the instant claimed surface energy for sealing operating oil hermetically or hydraulic seal devices. Wherein said irradiated fluororesin was irradiated with ionizing radiation while being heated up to the melting point thereof or higher in an inert atmosphere

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanza L. McClendon whose telephone number is (571) 272-1074. The examiner can normally be reached on Monday through Friday 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, James Seidleck can be reached on (571) 272-1078. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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/Sanza L McClendon/ Primary Examiner, Art Unit 1796

SMc